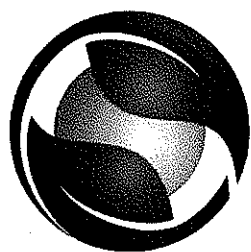


# MARIJUANA SEED-TO-SALE TRACEABILITY FOR GOVERNMENT AGENCIES



**BioTrackTHC<sup>TM</sup>**

*The Only Seed to Sale Solution*

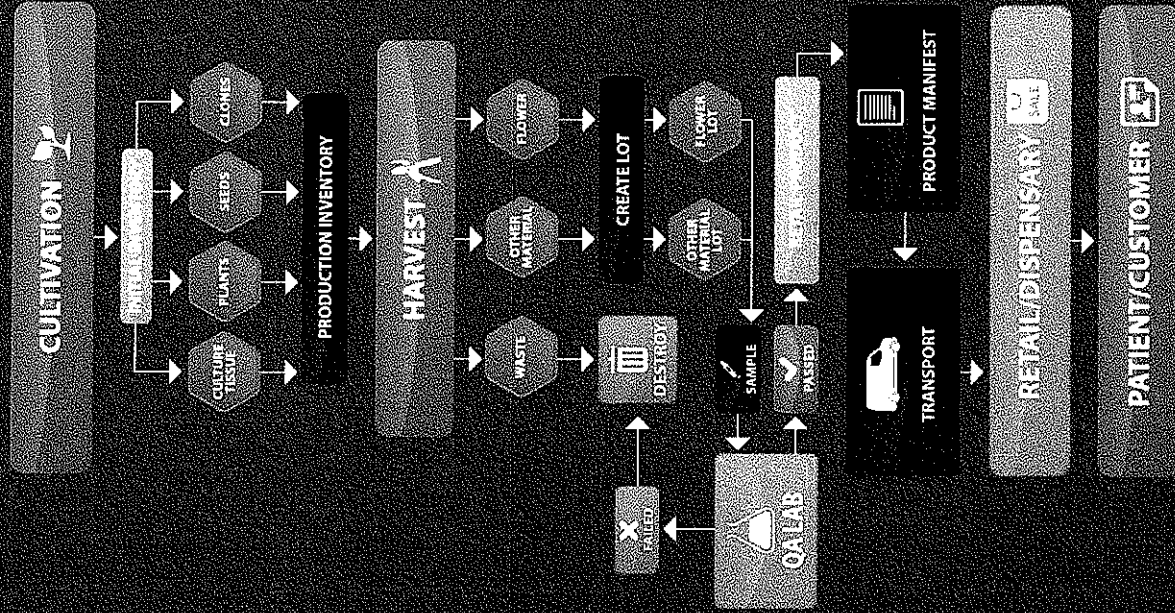


**BioTrackTHC™**

The Only Seed to Sale Solution

# TRACEABILITY FLOWCHART

**TRACEABILITY**  
A SYSTEM DESIGNED TO RECORD, TRACK, REPORT AND PRESENT  
DATA TO REGULATORY AGENCIES IN REAL-TIME.  
TRACEABILITY ENSURES COMPLIANCE BY ENFORCING TRANSPARENCY,  
ACCOUNTABILITY AND ACCURATE RECORD KEEPING.



## CULTIVATION

Upon propagation, each plant or clone is assigned a globally unique 16 digit barcode. This identifier records and archives plant phases, additives and employee interactions to ensure accountability and adhere to regulations during the plants' maturation.

## HARVEST

All cannabis components are batched by material type. Batched material receives a new 16 digit identifier that contains plant history since propagation. Batched material includes prepackaged goods or derivatives such as oil concentrate.

## QA TESTING

Cannabis and cannabis derivatives must be tested for chemicals, contaminants and other harmful additives prior to entering the market place. Test results, including potency, are automatically assigned and printed on product labels.

## TRANSPORTATION

A detailed manifest must be completed prior to transporting cannabis. The manifest displays the shipments origin, a detailed contents list, destination and driver credentials, displaying the entire chain of custody. Manifest reports are available for law enforcement in real-time.

## DISPENSARY

In addition to linking products to plant origin, each sale is tracked to the patient or customer. This completes the unbroken chain of custody from seed-to-sale.

## MEDICAL PATIENT ID CARDS

The Traceability system generates ID Cards for every patient. Patient information and sales limitation are easily validated in real-time.

## TRACEABILITY PORTAL

The traceability portal is a secure online data hub that provides detailed analytics for regulatory agencies and law enforcement. The data allows law enforcement to track cannabis transportation and inventory in real-time. Detailed manifest reports are available for the Department of Revenue or other agencies. These reports ensure compliance and adherence to industry standards.



## MARIJUANA SEED-TO-SALE TRACEABILITY SYSTEMS

### WHO WE ARE AS A COMPANY

- BioTrackTHC creates a software that helps governments and businesses track legal marijuana production, testing, transportation, destruction and sale.
- BioTrackTHC owns two United States technology patents (US 8,086,720 and US 8,335,697) and one Canadian technology patent (CA 2,715, 969).
- BioTrackTHC has undergone the rigorous SAS 70 internal controls technology audit. This audit process is typically reserved for large public companies.
- BioTrackTHC was awarded a contract with the State of Washington and implemented the first legal marijuana, state monitoring, inventory tracking system in the United States. All legal marijuana businesses in the State of Washington are required to regularly submit all data pertaining to marijuana production, testing, transportation, destruction and sales. The system has extensive reporting capabilities to assist the Washington government with enforcing regulations, collecting taxes and preventing the illegal marijuana trade. The system makes every fraction of a gram of legal marijuana visible throughout the production life cycle.
- Representatives from US Congress have viewed BioTrackTHC tracking technology and are using it as a model to push for changes to the US federal law.
- BioTrackTHC business software for marijuana tracking is used in over 1,250 medicinal marijuana cultivation centers and retail businesses across the United States, Canada, South America and Jamaica. BioTrackTHC has specialized in marijuana inventory tracking for over eight years.

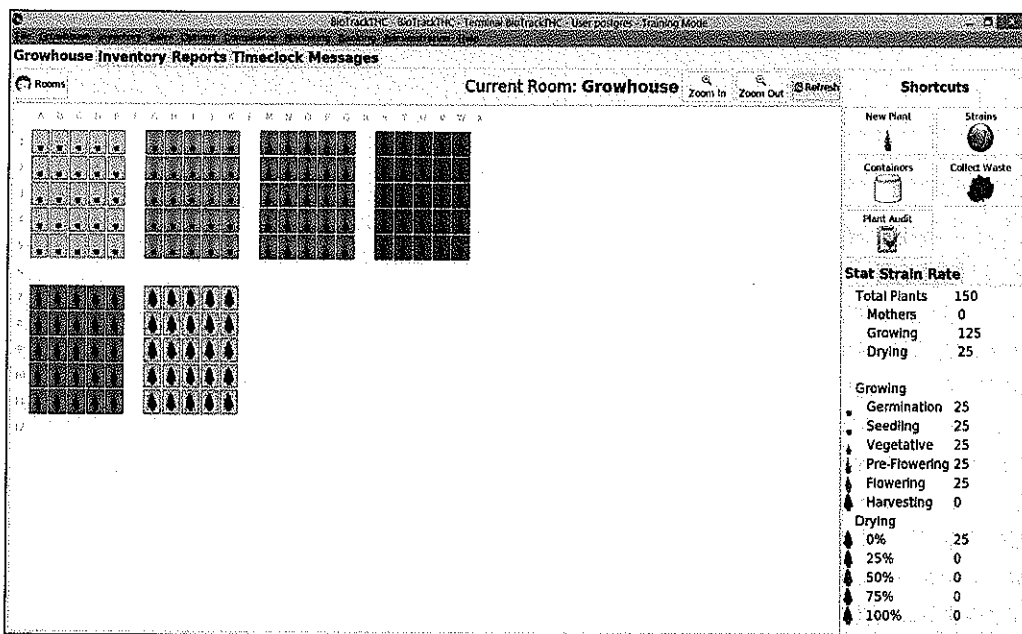


## **ADVANTAGES WITH OUR TECHNOLOGY**

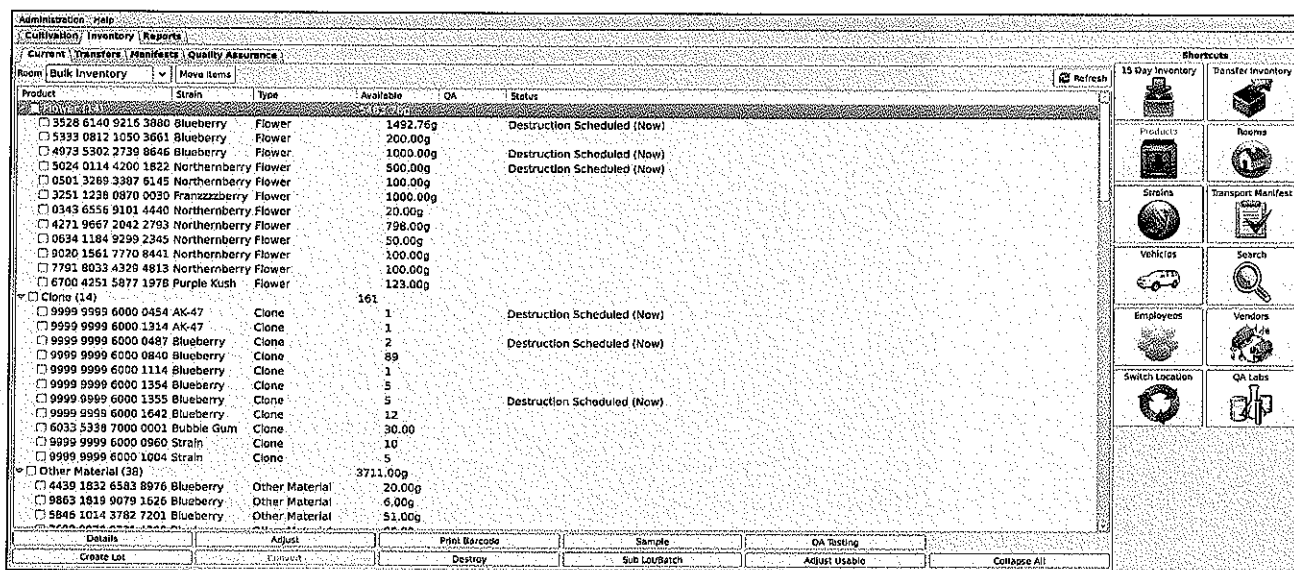
- Developed specifically for marijuana tracking and the unique challenges pertaining to government compliance, tracking and accountability.
- Complete seed-to-sale tracking for cultivation, processing, transportation and retail operations. BioTrackTHC software was audited by an independent third party.
- Presents accurate data on demand for government inspections and financial audits.
- Presents data on demand for real-time alerts and analysis to indicate drug diversion or other suspicious activity.
- Automates many manual processes to eliminate time-consuming tasks.
- Provides a user friendly interface for users.
- Contains an extensive reporting component and other tools to aid law enforcement.
- Contains tax reporting, reconciliation and collection components.
- Contains a marijuana lab testing results component.
- Creates a standardized transportation manifest for marijuana deliveries.
- Obtains all data for an indefinite period of time, even if it's deleted. An audit trail is maintained to allow system history reconstruction if necessary.
- Prevents drug diversion through accountability and transparency.

## Screen Shots

Example of a business screen showing plants in the cultivation area.




Example of a business screen showing current inventory.



Product	Strain	Type	Available	QA	Status
3528 6140 9216 3800	Blueberry	Flower	1492.76g		Destruction Scheduled (Now)
5333 0812 1050 3661	Blueberry	Flower	200.00g		Destruction Scheduled (Now)
4973 5302 2739 8646	Blueberry	Flower	1000.00g		Destruction Scheduled (Now)
5024 0114 4200 1822	Northernberry	Flower	500.00g		Destruction Scheduled (Now)
0501 3269 3307 6145	Northernberry	Flower	100.00g		
3251 1238 0870 0030	Franzzzberry	Flower	1000.00g		
0343 6556 9101 4440	Northernberry	Flower	20.00g		
4271 9667 2042 2793	Northernberry	Flower	798.00g		
0634 1184 9299 2345	Northernberry	Flower	50.00g		
3020 1561 7770 8441	Northernberry	Flower	100.00g		
7791 8033 4329 4813	Northernberry	Flower	100.00g		
6700 4251 5877 1978	Purple Kush	Flower	123.00g		
<b>Clone (14)</b>					
9999 9999 6000 0454	AK-47	Clone	1		Destruction Scheduled (Now)
9999 9999 6000 1314	AK-47	Clone	1		
9999 9999 6000 0487	Blueberry	Clone	2		Destruction Scheduled (Now)
9999 9999 6000 0840	Blueberry	Clone	89		
9999 9999 6000 1114	Blueberry	Clone	1		
9999 9999 6000 1354	Blueberry	Clone	5		
9999 9999 6000 1355	Blueberry	Clone	5		Destruction Scheduled (Now)
9999 9999 6000 1542	Blueberry	Clone	12		
6033 5338 7000 0001	Bubble Gum	Clone	30.00		
9999 9999 6000 0960	Strain	Clone	10		
9999 9999 6000 1004	Strain	Clone	5		
<b>Other Material (38)</b>					
4439 1832 6583 8976	Blueberry	Other Material	20.00g		
9863 1819 9079 1626	Blueberry	Other Material	6.00g		
5845 1014 3782 7201	Blueberry	Other Material	51.00g		



Example of a shipping manifest that is autogenerated by the system. Enforcement and dispatch are able to retrieve system manifests to determine their authenticity.

Washington Marijuana Transportation Manifest					Page 1 of 1
Date:	05/28/2015	Licensee's License #:	90000332	Barcode	
Licensee's Name:	BioTrackTHC	Vehicle ID #:	20005566789123499	 5923980970477364	
Licensee's Address:	3000 Pacific Ave SE Olympia, WA 98502	Vehicle Color / Make / Model / License Plate:	2000 green ford f-150 afg567		
Licensee's Phone:	1231231234	Transporter's Name:	pos1gres		
Transporter ID:	ABC123	Transporter's Date of Birth:	02/25/1991		
Transporter's Signature:					
Stop #1 of 1 (7 items)					
Destination Licensee Name:	BioTrackTHC Producer/Processor 1		Approx. Departure Date/Time:	5/29/2015 4:22 PM	
Destination License #:	8960003		Approx. Arrival Date/Time:	5/29/2015 4:22 PM	
Destination Licensee Address:	3000 Pacific Ave SE Olympia, WA 98501				
Destination Licensee Phone:	555-555-5555				
* These directions are for planning purposes only. You may find that the suggested route takes you outside the State of Washington; per RCW 69.50.342 you must plan your route so that you remain within the State of Washington at all times.					
Travel Route:					
Head on Pacific Ave SE					
Stop 1, Items 1-7 of 7				Manifest ID 9923980970477364	
#	Batch / Lot ID	Item Description	Weight / Quantity		
1	9000 0033 2000 0616	Ace of Spades	22.00		
2	9000 0033 2000 0629	Not-High Yet Kush	1.00		
3	9000 0033 2000 0628	Veggie Kush	322.00		
4	9000 0033 2000 0617	ACEBERRY	5.00		
5	9000 0033 2000 0626	Black Ice	175.00		
6	9000 0033 2000 0621	Bobaloo Weed	8.00		
7	9000 0033 2000 0619	Never-Got-Igh Kush	52.00		

### Example of Testing Laboratory Results

Moisture Content		Potency Analysis	Foreign Matter Inspection	Microbiological Screening
THC	10			%
Result: Pass				
THCA	10			%
Result: Pass				
CBD	10			%
Result: Pass				
Total	10			%
Result: Pass				

Example of the law enforcement real-time alerts with googlemap functionality

-- TRAINING MODE --

**Events/Tasks**

- AGRILAS - Destroying plant(s)
- AGRILAS - Destroying Inventory
- ALON - Destroying plant(s)
- ALON - Destroying Inventory
- CAPITAL GREEN - Transporting
- DOGTOWN PIONEERS - Destroying plant(s)
- DOGTOWN PIONEERS - Transporting
- DOGTOWN PIONEERS - Destroying Inventory
- Dauntless Software - Harvesting plant(s)

**Sort By:**


Name

Spot Check

Check In

**Travel Planner**

BioTrackTHC ProducerProcessor 1 - Transporting



**System-Wide Alerts**

Post

• 01:15pm 04/04/14 - Crack on I-5 South  
• 10:18am 04/03/14 - Fire Post - Fire reported at Mike's Space Cookies

Example of law enforcement report that shows if shipments were received and if the quantity arrived matches the quantity that was shipped.

Date Shipped	Manifest ID	ID	Product Type	Description	Destination Trade Name	Destination License	Shipment Received	Quantity Shipped	Quantity Units	Quantity Received
LicenseNum:	18751 (Patrick Producer)									
Start:	2012-02-01									
End:	2015-05-27									
01/11/2014 2:10 PM	7381 1268 4914 3468	0000 0001 0000 0002	Mature Plant	Blue Dream		051971	No	2.00	each	0.00
02/16/2014 8:11 PM	9143 4110 3747 2397	0000 0001 0000 0024	Mature Plant	Mature Plant	Training Producer	010001	Yes	30.00	each	30.00
01/11/2014 2:58 PM	1161 1173 3262 3275	0000 0001 0000 0036	Flower Lot	Flower Lot		051971	No	2,700.00	grams	0.00
01/11/2014 4:28 PM	3382 0204 7491 7646	0000 0001 0000 0044	Other Lot	Other Lot		051971	No	5,700.00	grams	0.00
01/12/2014 1:22 PM	4044 8211 0937 8107	0000 0001 0000 0047	Solid Marijuana Infused Edible	Cookie	Patrick Retail	12845	Yes	500.00	each	50.00
01/12/2014 12:39 PM	7451 6858 7478 9539	0000 0001 0000 0049	Usable Marijuana	Usable Marijuana	Patrick Retail	12845	Yes	50.00	each	50.00
01/13/2014 5:14 AM	5797 6164 1543 8291	0000 0001 0000 0055	Usable Marijuana	Usable Marijuana	Patrick Retail	12845	Yes	3,000.00	each	3,000.00
01/13/2014 5:14 AM	5797 6164 1543 8291	0000 0001 0000 0057	Solid Marijuana Infused Edible	Light Brownie	Patrick Retail	12845	Yes	500.00	each	500.00
01/15/2014 1:28 AM	1069 5579 3034 8224	0000 0001 0000 0063	Usable Marijuana	Usable Marijuana	Patrick Second Retail	01001	Yes	1,800.00	each	1,800.00
02/18/2014 1:27 PM	8743 0113 3053 6266	0000 0001 0000 0065	Seed	Seed	420Farley ProdProc	31501	No	99.00	each	0.00
01/21/2014 5:41 AM	0922 7136 6953 5342	0000 0001 0000 0069	Usable Marijuana	Usable Marijuana	Patrick Retail	12845	Yes	777.00	each	777.00
01/21/2014 10:40 AM	9311 3441 5223 5251	0000 0001 0000 0075	Usable Marijuana	Usable Marijuana	Patrick Second Retail	01001	No	500.00	each	0.00
01/22/2014 12:22 PM	1738 2348 3751 7226	0000 0001 0000 0082	Usable Marijuana	Usable Marijuana	Patrick Second Retail	01001	Yes	999.00	each	999.00
02/05/2014 11:42 AM	6005 2460 7391 7933	0000 0001 0000 0087	Usable Marijuana	Usable Marijuana	Patrick Retail	12845	No	10.00	each	0.00
01/31/2014 11:52 AM	0900 9858 9006 8158	0000 0001 0000 0089	Usable Marijuana	Usable Marijuana	420Vo Retail	33002	Yes	150.00	each	150.00
01/31/2014 11:52 AM	0900 9858 9006 8158	0000 0001 0000 0091	Solid Marijuana Infused Edible	OZ Lollipop	420Vo Retail	33002	Yes	120.00	each	120.00
01/07/2014 1:45 PM		6739 5681 0177 5092	Flower				No	250.00	grams	0.00



## MARIJUANA SEED-TO-SALE TRACEABILITY SYSTEMS

Example of a Tax Obligation Report generated in the system with figures based on submitted sales data associated with inventory data.

Excise Tax Obligation Report	
License Number:	420420
Privilege Type:	0392 0393
UBI Number:	900000666
Trade Name:	Publisher's Clearing Growhouse
Location Address:	3025 Limited Ln. NW
City, State & Zip:	Olympia, WA 98501
Sales Reporting Period:	4/1/2015 - 4/30/2015
Reporting Period Gross Sales (Producer):	\$0.00
Marijuana Excise Tax (25%) (Producer):	\$0.00
Reporting Period Gross Sales (Processor):	\$1,500.00
Marijuana Excise Tax (25%) (Processor):	\$375.00
Reporting Period Gross Sales (Total):	\$1,500.00
Marijuana Excise Tax (25%) (Total):	\$375.00
Amount Due to WSLCB:	\$375.00
<p>Marijuana licensees must submit monthly report(s) and payments to the board. The required monthly reports must be:</p> <p>(a) On a form or electronic system designated by the board;</p> <p>(b) Filed every month, including months with no activity or payment due;</p> <p>(c) Submitted, with payment due, to the board on or before the twentieth day of each month, for the previous month. (For example, a report listing transactions for the month of January is due by February 20th.) When the twentieth day of the month falls on a Saturday, Sunday, or a legal holiday, the filing must be postmarked by the U.S. Postal Service no later than the next postal business day;</p>	